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caagtctctg aacagggctt accttagagt aaggctaga agaggccgta aagtcagtct 161700
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gctaattcca taaagtaatc agtcctgag ttctgcagtg gtaataataa tcagcataat 161880
gagtaaacac tgtgtgtgcc aggcagcgtc tcatttgatc cttgtgataa tcttgtaagt 161940
actgattttc tgccttcttt aaacaaagtt tttttttttt ttttagagag ggtctcacta 162000
tggtgcccag gctagtcttg aattc 162025

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<210> 37
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 <309> 1999-10-26

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 ccggccgcgg accccactct ctgcggttcc ggctgcggct ccgctgcccg tagcgcgcgc 180
 cccggggacc acccttcggc tggcgccctc cc atg ctc tgc gcc acc cgg agg 233
 Met Leu Ser Ala Thr Arg Arg
 1 5

gct tgc cag ctc ctc ctc ctc cac agc ctc ttt ccc gtc ccg agg atg 281
 Ala Cys Gln Leu Leu Leu Leu His Ser Leu Phe Pro Val Pro Arg Met

107/122

10	15	20	
ggc aac tcg gcc tcg aac atc gtc agc ccc cag gag gcc ttg ccg ggc Gly Asn Ser Ala Ser Asn Ile Val Ser Pro Gln Glu Ala Leu Pro Gly 25 30 35			329
cgg aag gaa cag acc cct gta gcg gcc aaa cat cat gtc aat ggc aac Arg Lys Glu Gln Thr Pro Val Ala Ala Lys His His Val Asn Gly Asn 40 45 50 55			377
aga aca gtc gaa cct ttc cca gag gga aca cag atg gct gta ttt gga Arg Thr Val Glu Pro Phe Pro Glu Gly Thr Gln Met Ala Val Phe Gly 60 65 70			425
atg gga tgt ttc tgg gga gct gaa agg aaa ttc tgg gtc ttg aaa gga Met Gly Cys Phe Trp Gly Ala Glu Arg Lys Phe Trp Val Leu Lys Gly 75 80 85			473
gtg tat tca act caa gtt ggt ttt gca gga ggc tat act tca aat cct Val Tyr Ser Thr Gln Val Gly Phe Ala Gly Gly Tyr Thr Ser Asn Pro 90 95 100			521
act tat aaa gaa gtc tgc tca gaa aaa act ggc cat gca gaa gtc gtc Thr Tyr Lys Glu Val Cys Ser Glu Lys Thr Gly His Ala Glu Val Val 105 110 115			569
cga gtg gtg tac cag cca gaa cac atg agt ttt gag gaa ctg ctc aag Arg Val Val Tyr Gln Pro Glu His Met Ser Phe Glu Glu Leu Leu Lys 120 125 130 135			617
gtc ttc tgg gag aat cac gac ccg acc caa ggt atg cgc cag ggg aac Val Phe Trp Glu Asn His Asp Pro Thr Gln Gly Met Arg Gln Gly Asn 140 145 150			665
gac cat ggc act cag tac cgc tcg gcc atc tac ccg acc tct gcc aag Asp His Gly Thr Gln Tyr Arg Ser Ala Ile Tyr Pro Thr Ser Ala Lys 155 160 165			713
caa atg gag gca gcc ctg agc tcc aaa gag aac tac caa aag gtt ctt Gln Met Glu Ala Ala Leu Ser Ser Lys Glu Asn Tyr Gln Lys Val Leu 170 175 180			761
tca gag cac ggc ttc ggc ccc atc act acc gac atc cgg gag gga cag Ser Glu His Gly Phe Gly Pro Ile Thr Thr Asp Ile Arg Glu Gly Gln 185 190 195			809
act ttc tac tat gcg gaa gac tac cac cag cag tac ctg agc aag aac Thr Phe Tyr Tyr Ala Glu Asp Tyr His Gln Gln Tyr Leu Ser Lys Asn 200 205 210 215			857
ccc aat ggc tac tgc ggc ctt ggg ggc acc ggc gtg tcc tgc cca gtg Pro Asn Gly Tyr Cys Gly Leu Gly Gly Thr Gly Val Ser Cys Pro Val 220 225 230			905
ggt att aaa aaa taa ttgctcccca catggtgggc ctttgagggtt ccagtaaaaa Gly Ile Lys Lys * 235			960
tgctttcaac aaattgggca atgcttgtgt gattcacaat cgtggcattt aaagtgcaca aagtacaaag gaatttatat agattgggtt taccgaagta taatctatag gaggcgcgat			1020 1080

108/122

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ggcaagttga taaaatgtga cttatctcct aataagttat ggtgggagtg gagctgtgcg 1140
gtttcctgtg tcttctgggg tctgagtga gtagcaggg atgctgtgtt cacccttctt 1200
ggtagaagct aaggtgtgag ctgggaggtt gctggacagg atgggggacc ccagaagtcc 1260
tttatctgtg ctctctgccc gccagtgcct tacaatttgc aaacgtgtat agcctcagtg 1320
actcattcgc tgaaatcctt cgctttacca 1350

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<210> 38
 <211> 235
 <212> PRT
 <213> Homo Sapien

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Met Leu Ser Ala Thr Arg Arg Ala Cys Gln Leu Leu Leu Leu His Ser
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Leu Phe Pro Val Pro Arg Met Gly Asn Ser Ala Ser Asn Ile Val Ser
 20      30
Pro Gln Glu Ala Leu Pro Gly Arg Lys Glu Gln Thr Pro Val Ala Ala
 35      40      45
Lys His His Val Asn Gly Asn Arg Thr Val Glu Pro Phe Pro Glu Gly
 50      55      60
Thr Gln Met Ala Val Phe Gly Met Gly Cys Phe Trp Gly Ala Glu Arg
 65      70      75      80
Lys Phe Trp Val Leu Lys Gly Val Tyr Ser Thr Gln Val Gly Phe Ala
 85      90      95
Gly Gly Tyr Thr Ser Asn Pro Thr Tyr Lys Glu Val Cys Ser Glu Lys
 100     105     110
Thr Gly His Ala Glu Val Val Arg Val Val Tyr Gln Pro Glu His Met
 115     120     125
Ser Phe Glu Glu Leu Leu Lys Val Phe Trp Glu Asn His Asp Pro Thr
 130     135     140
Gln Gly Met Arg Gln Gly Asn Asp His Gly Thr Gln Tyr Arg Ser Ala
 145     150     155     160
Ile Tyr Pro Thr Ser Ala Lys Gln Met Glu Ala Ala Leu Ser Ser Lys
 165     170     175
Glu Asn Tyr Gln Lys Val Leu Ser Glu His Gly Phe Gly Pro Ile Thr
 180     185     190
Thr Asp Ile Arg Glu Gly Gln Thr Phe Tyr Tyr Ala Glu Asp Tyr His
 195     200     205
Gln Gln Tyr Leu Ser Lys Asn Pro Asn Gly Tyr Cys Gly Leu Gly Gly
 210     215     220
Thr Gly Val Ser Cys Pro Val Gly Ile Lys Lys
 225     230     235

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<210> 39
 <211> 481
 <212> DNA
 <213> Homo Sapien

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 <308> GenBank AW195104
 <309> 1999-11-29

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gagaaagtcc cttatgtatg tctagatttg gtaaagcgaa ggatttcagc gaatgagtca 180
ctgaggctat acacgtttgc aaattgtaag gcaactggcg gcagagagca cagataaagg 240
acttctgggg tccccatcc tgtccagcaa cctcccagct cacaccttag cttctaccaa 300
gaagggtgaa cacagcatcc ctgctatctt cactcagacc ccagaaaacc cagggaacc 360
cgacagctcc actcccacca taacttatta ggagataagt cacattttat caacttgcca 420

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109/122

tcgcgcctcc tatagattat acttcggtaa acccaatctg tataaattcc tttgtacttt 480
g 481

<210> 40
<211> 390
<212> DNA
<213> Homo Sapien

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<309> 2000-05-22

<400> 40
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agagaaaagg ccttatgtat gtctagattt ggtaaagcga aggatttcag cgaatgagtc 180
actgaggtta tacacgtttg caaattgtaa ggcaactggcg ggcagagagc acagataaag 240
gacttttggg ggtcccccat tcctgtccag caacctccca gctcacacct tagcttctac 300
caaggaaggg tgaacacagc atccctgcta tcttcactca gacccccaga agacacagga 360
aaccgcacag ctccactccc accataactt 390

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<211> 43
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<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 41
agcggataac aatttcacac agggagctag cttggaagat tgc 43

<210> 42
<211> 22
<212> DNA
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<220>
<223> Oligonucleotide Primer

<400> 42
gtccaatata tgcaaacagt tg 22

<210> 43
<211> 23
<212> DNA
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<220>
<223> Oligonucleotide Primer

<400> 43
agcggataac aatttcacac agg 23

<210> 44
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

110/122

<223> Oligonucleotide Primer

<400> 44

actgagcctg ctgcataa

18

<210> 45

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide Primer

<400> 45

tctcaatcat gtgcattgag g

21

<210> 46

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide Primer

<400> 46

agcggataac aatttcacac agggatcaca cagccatcag cag

43

<210> 47

<211> 23

<212> DNA

<213> oligonucleotide primer

<400> 47

agcggataac aatttcacac agg

23

<210> 48

<211> 18

<212> DNA

<213> Oligonucleotide primer

<400> 48

ctggcgccac gtggtcaa

18

<210> 49

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide Primer

<400> 49

tttctctgca cagagagggc

20

<210> 50

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

111/122

<223> Oligonucleotide Primer

<400> 50
agcggataac aatttcacac agggctgaaa tccttcgctt tacc 44

<210> 51
<211> 23
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<213> Artificial Sequence

<220>
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<400> 51
agcggataac aatttcacac agg 23

<210> 52
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<212> DNA
<213> Artificial Sequence

<220>
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<400> 52
ctgaaaaggg agagaaag 18

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<220>
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<400> 53
tcccaaagtg ctggaattac 20

<210> 54
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<220>
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<400> 54
gtccaatata tgcaaacagt tg 22

<210> 55
<211> 20
<212> DNA
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<220>
<223> Oligonucleotide Primer

<400> 55
cccacagcag ttaatccttc 20

112/122

<210> 56
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<220>
<223> Oligonucleotide primer

<400> 56
gcgctcctgt cggtgcca 18

<210> 57
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<220>
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<400> 57
gcctgactgg tggggccc 18

<210> 58
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<220>
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<400> 58
catgcatgca cggtc 15

<210> 59
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<212> DNA
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<220>
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<400> 59
cagagagtac ccctcgaccg tgcattcatg 30

<210> 60
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<220>
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<400> 60
catgcatgca cggtt 15

<210> 61
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113/122

<220>
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<400> 61
gtacgtacgt gccaaactccc catgagagac 30

<210> 62
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<220>
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<400> 62
catgcatgca cggt 14

<210> 63
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<220>
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<400> 63
gcctgactgg tggggccc 18

<210> 64
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
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<400> 64
gtgctgcagg tgtaaacttg taccag 26

<210> 65
<211> 28
<212> DNA
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<220>
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<400> 65
cacggatccg gtagcagcgg tagagttg 28

<210> 66
<211> 19
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<220>
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<400> 66
actgggcatg tggagacag 19

114/122

<210> 67
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 <400> 67
 gcactttctt gccatgag 18

 <210> 68
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 <212> DNA
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 <220>
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 <400> 68
 tcagtcacga cggt 14

 <210> 69
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 <400> 69
 cggataacaa tttc 14

 <210> 70
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 <220>
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 <400> 70
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 <220>
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 caatttcaca cagcggatgc ttcttttggc tctgact 37

 <210> 72
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 <212> DNA
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115/122

<220>
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<400> 72
tcagtcacga cgttggatgc caataaaagt gactctcagc 40

<210> 73
<211> 37
<212> DNA
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<400> 73
cggataacaa tttcggatgc actgggagca ttgaggc 37

<210> 74
<211> 38
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<213> Artificial Sequence

<220>
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<400> 74
tcagtcacga cgttggatga gcagatccct ggacaggc 38

<210> 75
<211> 38
<212> DNA
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<220>
<223> Oligonucleotide primer

<400> 75
cggataacaa tttcggatgg acaaaatacc tgtattcc 38

<210> 76
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 76
tcagtcacga cgttggatgc agagcagctc cgagtc 36

<210> 77
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 77
cagcggatgat cattggatgc aggaagctct gg 32

116/122

<210> 78
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<220>
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<400> 78
tcagtcacga cgttggatgc ccacatgccca cccactac 38

<210> 79
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 79
cggataacaa tttcggatgc ccgtcaggta ccacg 35

<210> 80
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 80
tcagtcacga cgttggatgc ccacagtgga gcttcag 37

<210> 81
<211> 22
<212> DNA
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<220>
<223> Oligonucleotide primer

<400> 81
gctcatacct tgcaggatga cg 22

<210> 82
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 82
tcagtcacga cgttggatga ccagctgttc gtgttc 36

<210> 83
<211> 34
<212> DNA
<213> Artificial Sequence

117/122

<220>
<223> Oligonucleotide primer

<400> 83
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<210> 84
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 84
tcagtcacga cgttggatgg ggaagagcag agatatacgt 40

<210> 85
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<212> DNA
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<220>
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<400> 85
gaggggctga tccaggatgg gtgctccac 29

<210> 86
<211> 30
<212> DNA
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<220>
<223> Oligonucleotide primer

<400> 86
tgaagcactt gaaggatgag ggtgtctgcg 30

<210> 87
<211> 38
<212> DNA
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<220>
<223> Oligonucleotide primer

<400> 87
cggataacaa tttcggatgc tgcgtgatga tgaaatcg 38

<210> 88
<211> 26
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<220>
<223> Oligonucleotide primer

<400> 88
gatgaagctc ccaggatgcc agaggc 26

118/122

<210> 89
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
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<400> 89
gccgccggtg taggatgctg ctggtgc 27

<210> 90
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Template

<400> 90
cgcagggttt cctcgtcgca ctgggcatgt g 31

<210> 91
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Biotinylated primer

<400> 91
tgcttatccc tgtagctacc ctgtcttggc cttgcagatc caa 43

<210> 92
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 92
agcggataac aatttcacac aggccatcac accgcggtac tg 42

<210> 93
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 93
cccagtcacg acgttgtaaa acgtcttggc cttgcagatc caag 44

<210> 94
<211> 42
<212> DNA
<213> Artificial Sequence

119/122

<220>
 <223> Oligonucleotide primer

 <400> 94
 agcggataac aatttcacac aggccatcac accgcggtac tg 42

 <210> 95
 <211> 20
 <212> DNA
 <213> Artificial Sequence

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 <223> Oligonucleotide primer

 <400> 95
 ctccagctgg gcaggagtgc 20

 <210> 96
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 96
 cacttcagtc gctccct 17

 <210> 97
 <211> 23
 <212> DNA
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 <220>
 <223> Biotinylated primer

 <400> 97
 cccagtcacg acgttgtaaa acg 23

 <210> 98
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 98
 cctttgagaa agggctctgc ttgagttgta gaaagaaccg ctgcaacaat ctgggctatg 60
 agatcaataa agtcagagcc aaaagaagca gcaaaatgta 100

 <210> 99
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 99
 cctttgagaa agggctctgc ttgagttgta gaaagaaccg ctgcaacaat ctgggctatg 60
 agatcagtaa agtcagagcc aaaagaagca gcaaaatgta 100

 <210> 100
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120/122

<213> Homo sapien

<400> 100

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gaattatttt tgtgttttcta aaactatggg tcccaataaaa agtgactctc agcgagcctc    60
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<210> 101

<211> 100

<212> DNA

<213> Homo sapien

<400> 101

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gaattatttt tgtgttttcta aaactatggg tcccaataaaa agtgactctc agcaagcctc    60
aatgctccca gtgctattca tgggcagctc tctgggctca    100

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<210> 102

<211> 84

<212> DNA

<213> Homo sapien

<400> 102

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tttgtccttg aagtaacctt tcag    84

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<210> 103

<211> 84

<212> DNA

<213> Homo sapien

<400> 103

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taataggact acttctaatac tgtaagagca gatccctgga caggcaagga atacaggtat    60
tttgtccttg aagtaacctt tcag    84

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<210> 104

<211> 100

<212> DNA

<213> Homo sapien

<400> 104

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ctcaccatgg gcatttgatt gcagagcagc tccgagtccg tccagagctt cctgcagtca    60
atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta    100

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<210> 105

<211> 100

<212> DNA

<213> Homo sapien

<400> 105

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ctcaccatgg gcatttgatt gcagagcagc tccgagtcca tccagagctt cctgcagtca    60
atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta    100

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<210> 106

<211> 100

<212> DNA

<213> Homo sapien

<400> 106

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agcaaggact cctgcaaggg ggacagtgga ggcccacatg ccacccta ctagggcacg    60
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121/122

<210> 107
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 107
 agcaaggact cctgcaaggg ggacagtgga ggcccacatg ccaccacta ccggggcacg 60
 tggtagctga cgggcatcgt cagctggggc cagggtctgcg 100

<210> 108
 <211> 100
 <212> DNA
 <213> Hom sapien

<400> 108
 caataactct aatgcagcgg aagatgacct gccacagtg gagcttcagg gcgtggtgcc 60
 ccggggcgctc aacctgcaag gtatgagcat accccccttc 100

<210> 109
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 109
 caataactct aatgcagcgg aagatgacct gccacagtg gagcttcagg gcttggtgcc 60
 ccggggcgctc aacctgcaag gtatgagcat accccccttc 100

<210> 110
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 110
 ttgaagcttt gggctacgtg gatgaccagc tggtcgtgtt ctatgatcat gagagtcgcc 60
 gtgtggagcc ccgaactcca tgggtttcca gtagaatttc 100

<210> 111
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 111
 ttgaagcttt gggctacgtg gatgaccagc tggtcgtgtt ctatgatgat gagagtcgcc 60
 gtgtggagcc ccgaactcca tgggtttcca gtagaatttc 100

<210> 112
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 112
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 caggcctgga tcagccctc attgtgatct gggagccctc 100

<210> 113
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 113

122/122

ggataacctt ggctgtaccc cctggggaag agcagagata tacgtaccag gtggagcacc 60
 caggcctgga tcagcccctc attgtgatct gggagccctc 100

<210> 114
 <211> 80
 <212> DNA
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 <213> Artificial Sequence

<220>
 <223> Hair pin structure

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INTERNATIONAL SEARCH REPORT

Inte Application No
PCT/US 00/28413

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data. EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 05323 A (AFFYMETRIX INC) 4 February 1999 (1999-02-04) abstract; claims 1,4	1-100
X	WO 97 40462 A (SPECTRA BIOMEDICAL INC) 30 October 1997 (1997-10-30) page 4, line 2 - line 22 page 7, line 3 -page 8, line 4	1-100
X	WO 98 24935 A (AN GANG ;HARA MARK O (US); RALPH DAVID (US); VELTRI ROBERT (US); U) 11 June 1998 (1998-06-11) page 4, line 27 -page 5, line 6 page 6, line 14 - line 18	1-100
	--- -/--	

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Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

° Special categories of cited documents :

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8 document member of the same patent family

Date of the actual completion of the international search

10 September 2001

Date of mailing of the international search report

28/09/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Filloy Garcia, E

INTERNATIONAL SEARCH REPORT

Inter Application No
PCT/US 00/28413

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	COLLINS F S ET AL: "A DNA Polymorphism Discovery Resource for Research on Human Genetic Variation" GENOME RESEARCH, vol. 8, 1998, pages 1229-1231, XP002177106 the whole document	1-100
P, X	WO 00 51053 A (BRYANT STEPHEN PAUL ;GEMINI RESEARCH LTD (GB); KELLY PAUL JAMES (G) 31 August 2000 (2000-08-31) abstract; claims 1-24	1-100
Y	WO 98 35609 A (HELMS RONALD W ;TOMASKO LISA (US); BIOMAR INTERNATIONAL INC (US);) 20 August 1998 (1998-08-20) abstract; claims 1-25	1-100
Y	SARKAR C ET AL: "Human Genetic Bi-allelic Sequences (HGBASE), a Database of Intra-genic Polymorphisms" MEM INST OSWALDO CRUZ, 'Online! vol. 93, no. 5, September 1998 (1998-09) - October 1998 (1998-10), pages 693-694, XP002177107 Rio de Janeiro Retrieved from the Internet: <URL:http://www.cgb.ki.se/cgb/groups/brook es/publications.htm> 'retrieved on 2001-09-05! the whole document	1-100
A	FOSTER M W AND FREEMAN W L: "Naming Names in Human Genetic Variation Research" GENOME RESEARCH, vol. 8, 1998, pages 755-757, XP002177108 the whole document	2,9,27, 55,72

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inten Application No
PCT/US 00/28413

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9905323 A	04-02-1999	EP 1002264 A	24-05-2000
		EP 1009861 A	21-06-2000
		EP 0998697 A	10-05-2000
		EP 1007737 A	14-06-2000
		WO 9905574 A	04-02-1999
		WO 9905324 A	04-02-1999
		WO 9905591 A	04-02-1999
		US 6229911 B	08-05-2001
		US 6188783 B	13-02-2001
WO 9740462 A	30-10-1997	AU 2734197 A	12-11-1997
		EP 0897567 A	24-02-1999
		JP 2000508912 T	18-07-2000
WO 9824935 A	11-06-1998	AU 722819 B	10-08-2000
		AU 5515198 A	29-06-1998
		EP 0960214 A	01-12-1999
		US 6190857 B	20-02-2001
WO 0051053 A	31-08-2000	AU 2815900 A	14-09-2000
WO 9835609 A	20-08-1998	US 6059724 A	09-05-2000
		AU 6151498 A	08-09-1998
		BR 9807366 A	18-04-2000
		CN 1268033 T	27-09-2000
		EP 0973435 A	26-01-2000

Form PCT/ISA/210 (patent family annex) (July 1992)